

FIG. 1

```

graph TD
    START([START]) --> S1[S1: ACQUIRE REFERENCE IMAGE DATA]
    S1 --> S2[S2: ACQUIRE THREE-DIMENSIONAL POSITIONAL DATA OF CATHETER TIP]
    S2 --> S3{S3: MARKING?}
    S3 -- Y --> S4[S4: PERFORM MARKING]
    S4 --> S5[S5: PERFORM GROUPING OF DATA]
    S5 --> S6[S6: STORE DATA]
    S3 -- N --> S6
    S6 --> S7[S7: RECALCULATE TIME]
    S7 --> S8[S8: CALCULATE VALUES OF DISPLAY ATTRIBUTES]
    S8 --> S9[S9: UPDATE DISPLAY ATTRIBUTES OF DATA]
    S9 --> S10[S10: UPDATE DISPLAY]
    S10 --> S2
  
```

FIG. 2

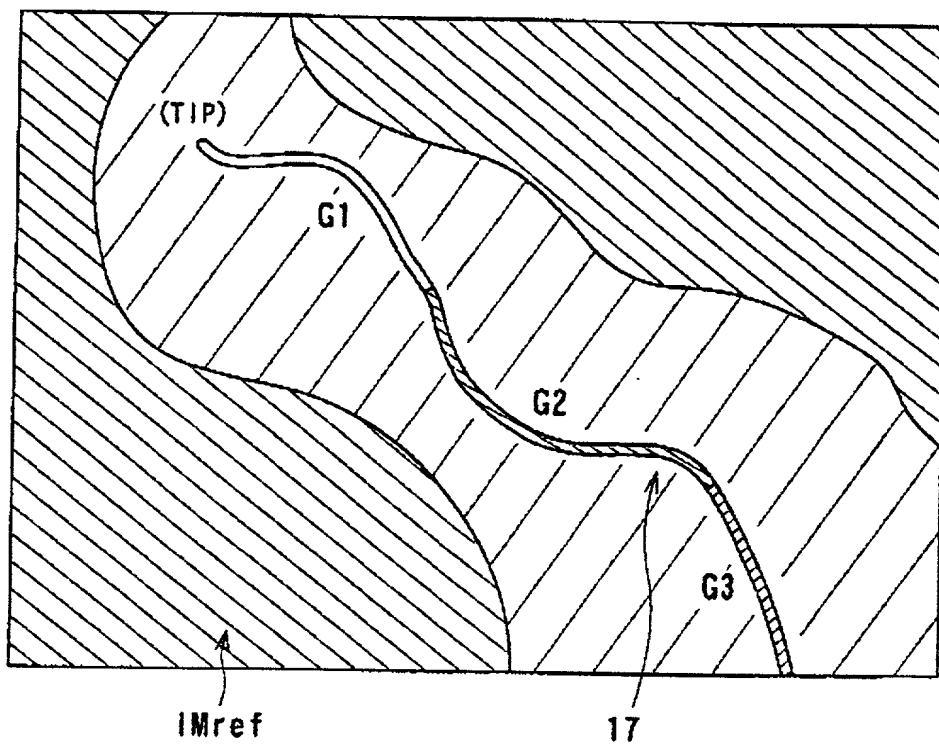


FIG. 3

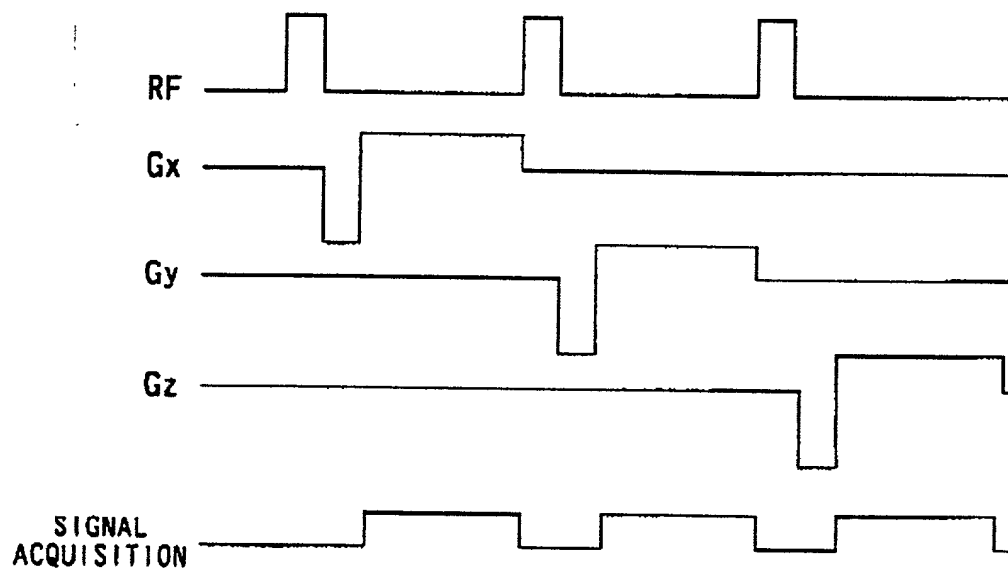
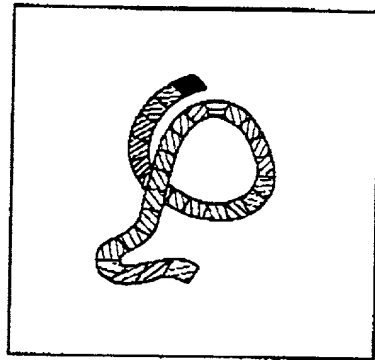
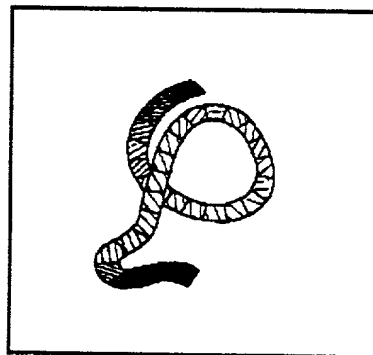


FIG. 4



INTENSITY  
HIGH  $\longleftrightarrow$  LOW  
TIME  
NEW  $\longleftrightarrow$  OLD

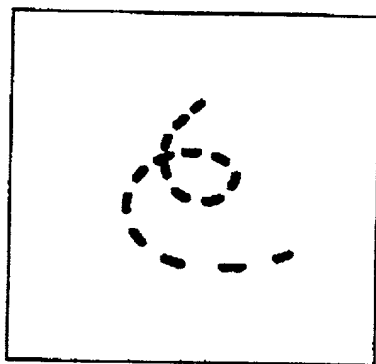
FIG. 5



HUE  
RED  $\longleftrightarrow$  BLUE  
TIME  
NEW  $\longleftrightarrow$  OLD

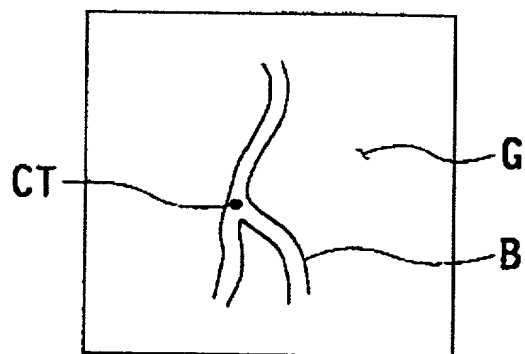
FIG. 6

2025 RELEASE



THINNING RATE OF DATA  
 SMALL  $\longleftrightarrow$  LARGE  
 TIME  
 NEW  $\longleftrightarrow$  OLD

**FIG. 7**



**FIG. 8**

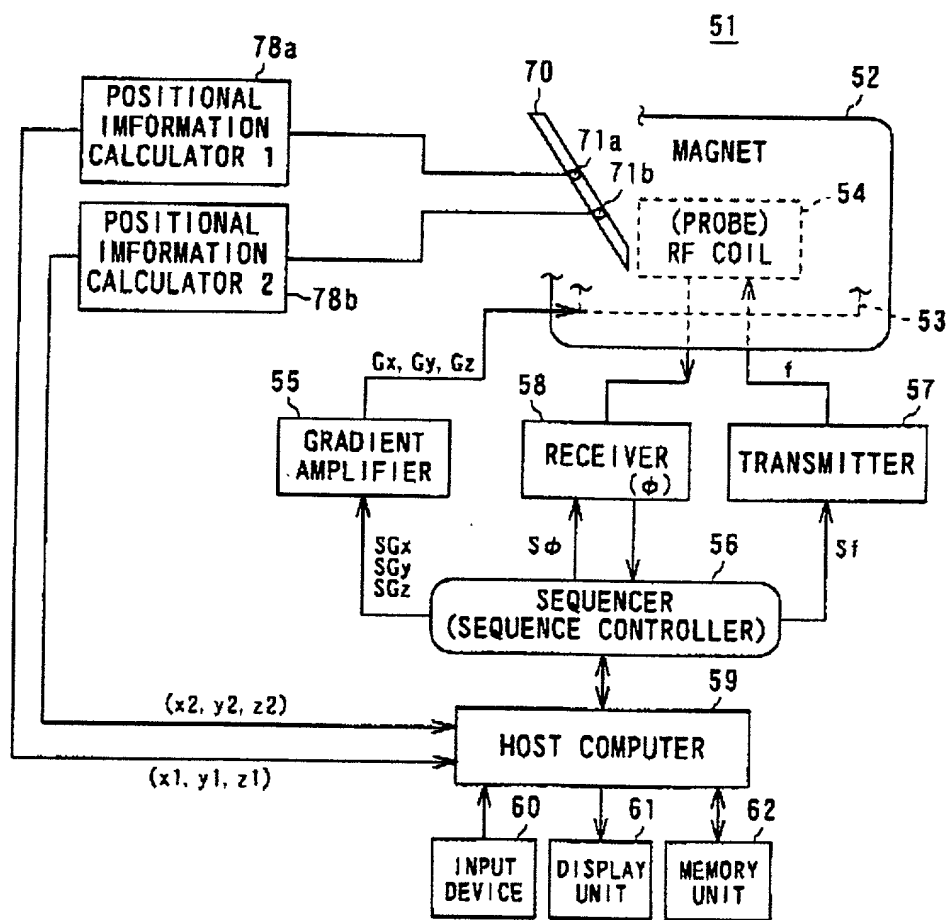


FIG. 9

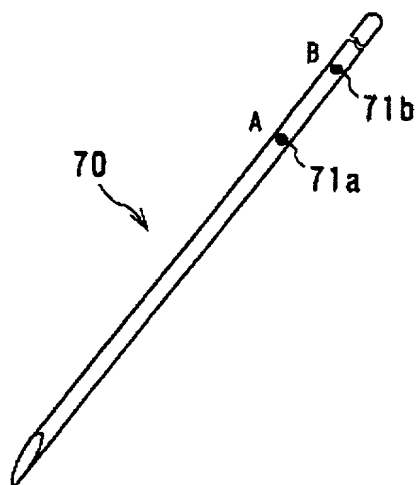


FIG. 10

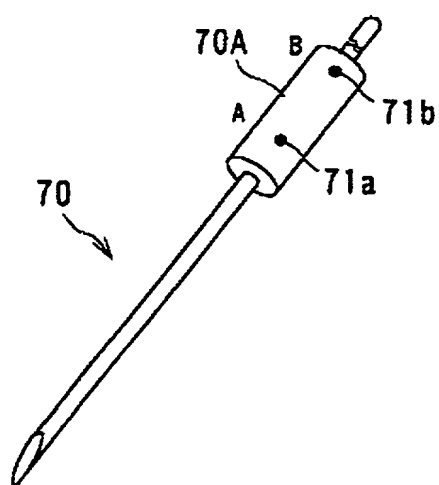


FIG. 11

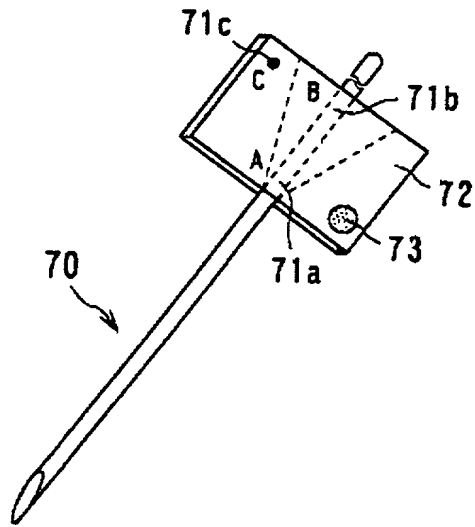


FIG. 12

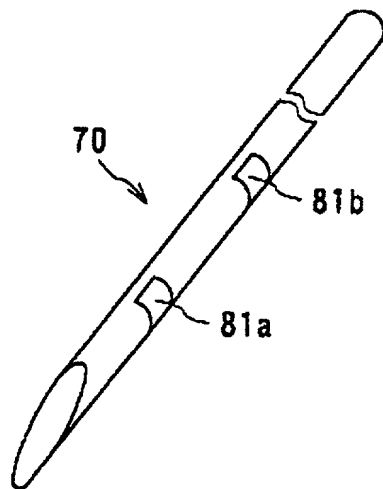


FIG. 13



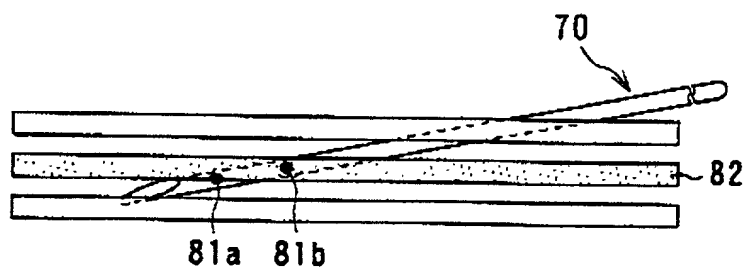


FIG. 14

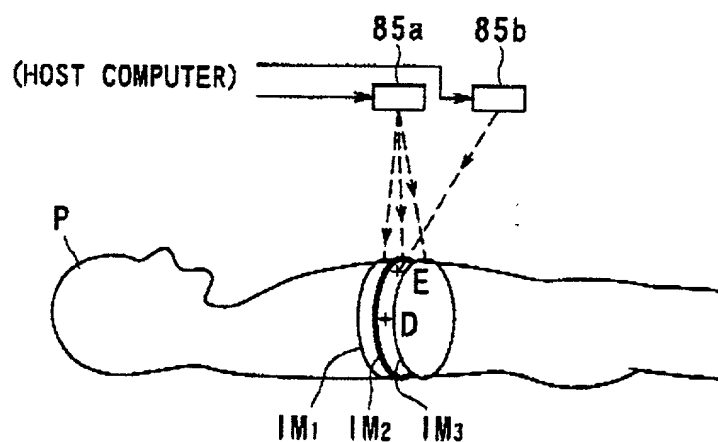


FIG. 15

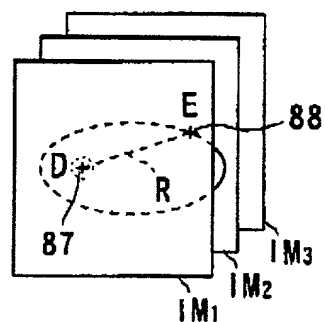


FIG. 16

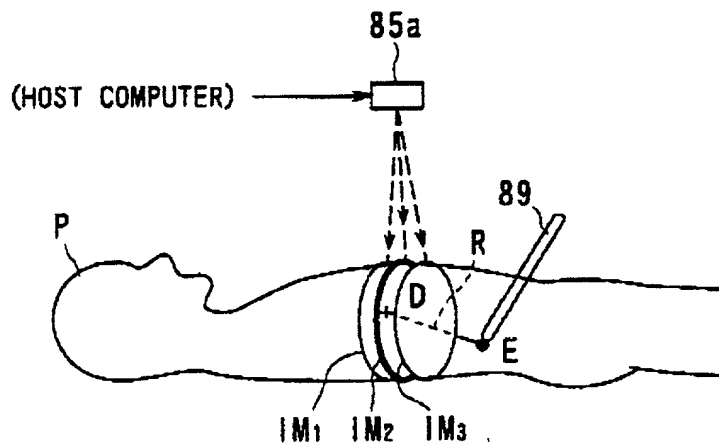


FIG. 17A

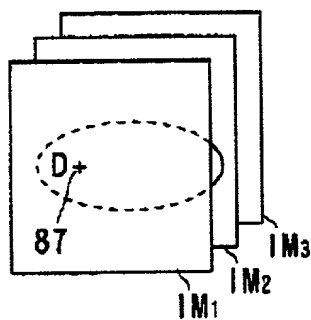


FIG. 17B

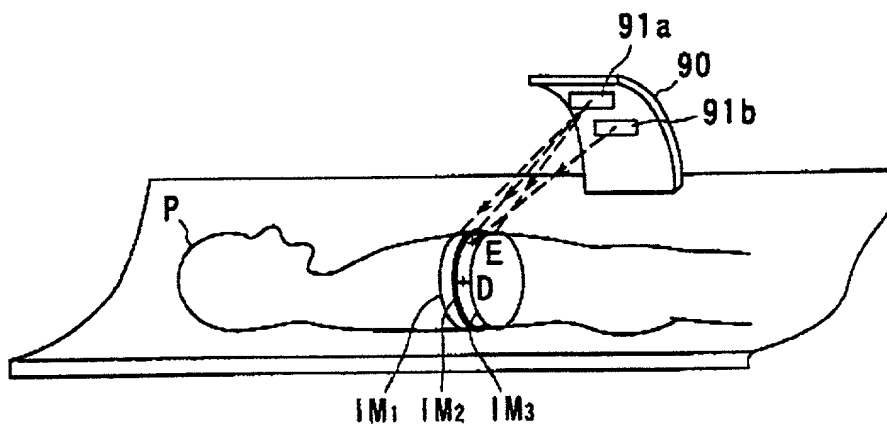


FIG. 18

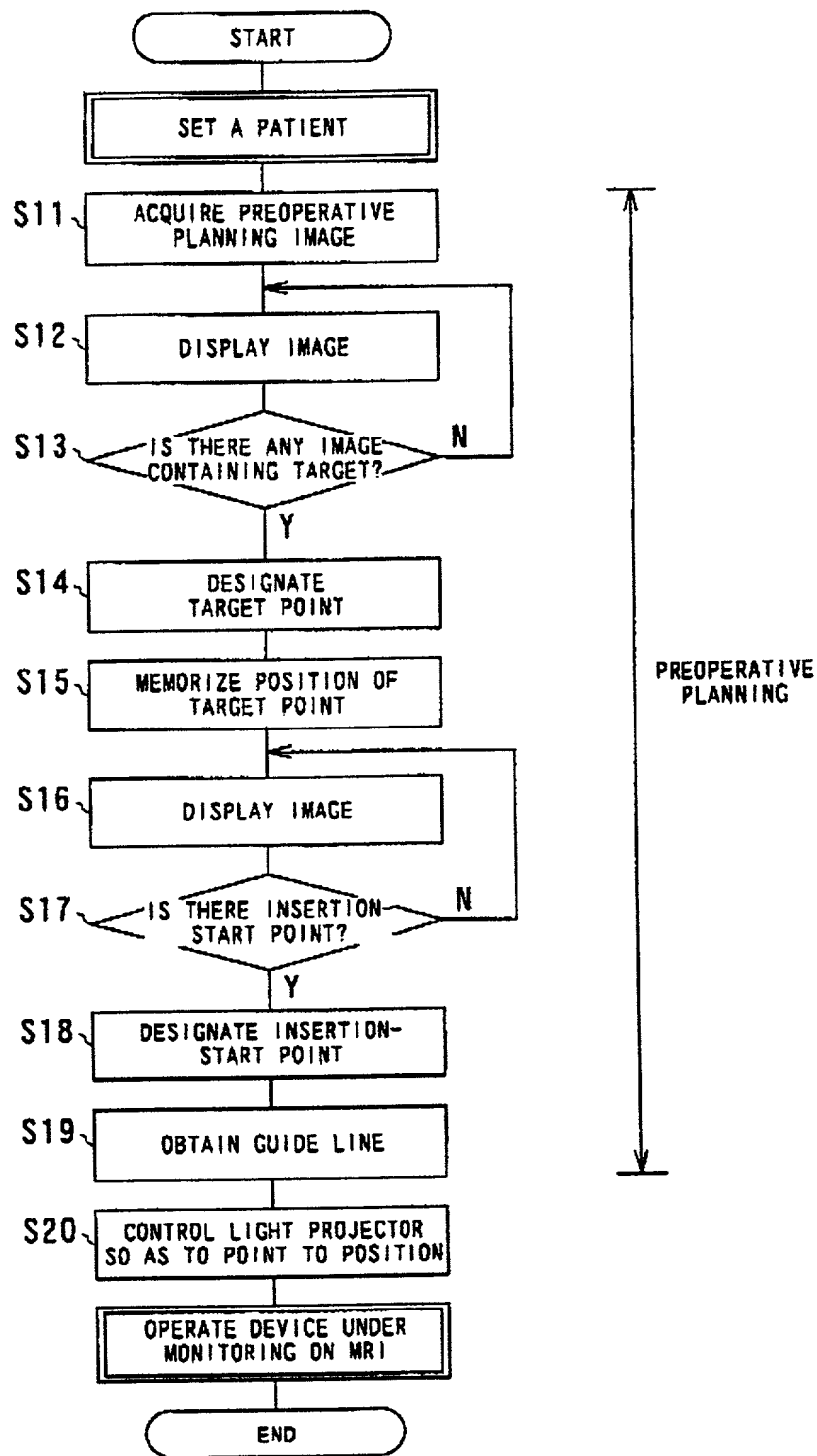


FIG. 19

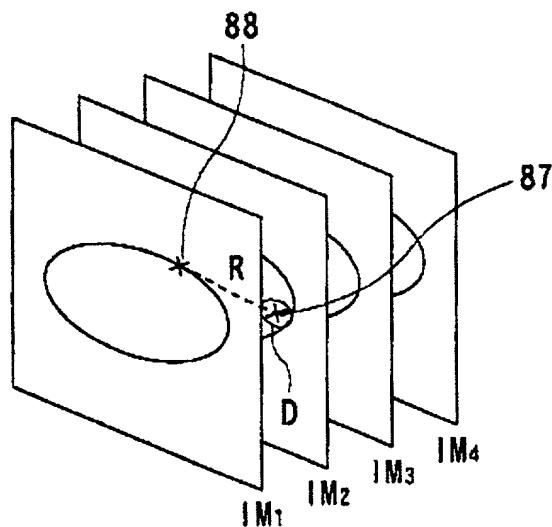


FIG. 20

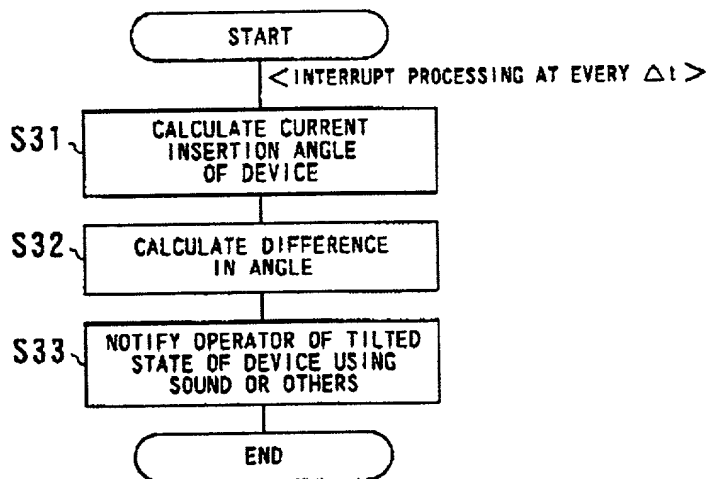


FIG. 21

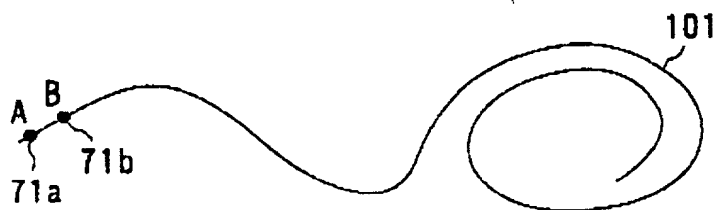


FIG. 22